

MPC-8000 Portable Workstation

Dual-Core CPU Portable Computer with PCI-Express Slots

Features

- » Portable computer supporting ATX form-factor motherboards.
- » Supports latest Intel or AMD dual-core processors.
- » PCI and PCI-Express slots for add-on cards.
- » 15" or 17" active matrix flat panel display.
- » Four drive bays for hard drive and optical read/write devices.
- » Fold-down keyboard with pointing device.
- » Rugged aluminum alloy chassis with ABS plastic shell.
- » 400-watt ATX power supply.

Self-contained Portable Computing Solution

The MPC-8000 is a compact, self-contained portable computer ruggedized for mobile applications. The system is constructed of an aluminum alloy chassis with fire-retardant ABS plastic shell.

The MPC-8000 features a 15-inch or 17-inch active matrix flat panel display, fold-down keyboard, touchpad mouse, four drive bays and a 400-watt ATX power supply. Internally, there is room for an ATX form-factor motherboard. A fully configured MPC-8000 provides a totally integrated portable system ready to be deployed in industrial environments such as telecom field service, data acquisition and test applications.

There is a durable, rubber-clad carrying handle on the top that makes carrying the system easy. A padded carrying case with wheels and telescopic handle is included for long-distance transportation of the system.

Expandable and upgradable system features

MPC-8000 is designed to take advantage of commercial-off-the-shelf components for its substantial expansion and upgrade capabilities. The motherboard supports current dual-core processors from Intel or AMD. There is PCI-Express x16 slot for upgrading graphics card when you need to run graphics intensive applications. SATA and RAID interfaces give you the options of high data read/write speed and fault-tolerance. And four available drive bays lets you assemble your system with multiple hard drives RAID configuration.



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System Chassis Specifications

<i>Chassis Construction</i>	Portable Chassis Portable system enclosure constructed of aluminum alloy chassis with ABS plastic shell. Integrated flat panel display and fold-down keyboard. Rubber-clad carrying handle. Tilt-up feet under chassis. Built-in amplified speaker.
<i>Integrated Display Options</i>	15" TFT LCD, 1024 x 768 optimum resolution, 200 cd/m ² , 50,000 hours back light life. 17" TFT LCD, 1280 x 1024 optimum resolution, 350 cd/m ² , 50,000 hours back light life.
<i>Keyboard</i>	Fold-down 108-key keyboard with positive tactile feedback keyswitches. Integrated touchpad pointing device.
<i>Cooling</i>	One 12 cm fan, one 8 cm fan.
<i>Dimensions</i>	17.52" (W) x 13.11" (H) x 9.65" (D).
<i>Weight</i>	Approximately 35 lbs. with CPU board and hard drive.

	Electrical and Power
<i>Input AC</i>	100 ~ 240 V @ 50 ~ 60 Hz, full range (PFC).
<i>Output</i>	400 watt ATX power supply standard, upgradable to 450, 550 watt power supplies.

	Environmental and Safety
<i>Temperature</i>	Operating 0~45 °C (32~113 °F) non-operating -20~80 °C (-4~176 °F)
<i>Humidity (non-condensing)</i>	Operating 20~90% @ 40°C, non-condensing; non-operating 10~95% @ 40°C, non-condensing
<i>Shock</i>	Operating: half-sine wave @ 10 G (TBD), non-operating: half-sine wave @ 30 G (TBD).
<i>Vibration</i>	Operating: 1 Grms, non-operating: 2 Grms..
<i>EMI/Safety</i>	CE, UL, FCC, RoHS.

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Base System Configurations

Base System Configuration with Intel Pentium D Processor

<i>System Chassis</i>	MPC-8000 portable chassis with 15" XGA LCD monitor.
<i>LGA 775 CPU</i>	Pentium D processor 930 Sequence. LGA 775 motherboard for Intel® processor Pentium D, Celeron D & Pentium4; Intel® EM64T / EIST / Hyper-Threading Technology
<i>Chipset</i>	Intel 945G; Intel ICH7 DH; Support Intel Viiv™ Technology.
<i>Main Memory</i>	1 GB DDR2 533 RAM in two 512 MB 240-pin modules. Two open sockets for additional memory.
<i>Graphics Controller</i>	Integrated Graphics (Intel Graphics GMA 950). Upgradable with PCI-Express graphics card.
<i>LAN</i>	Intel 82573L Gigabit Ethernet.
<i>Hard Drive Controller</i>	1 x UltraDMA 100/66/33; 4 x Serial ATA 3Gb/s; RAID 0, RAID 1, RAID 5, RAID 10; Support Intel Matrix Storage technology
<i>Audio</i>	Realtek ALC 882, 8-ch High Definition Audio CODEC; S/PDIF out interface Jack-Sensing & Enumeration Multi-Streaming
<i>External Panel I/O</i>	1 x Serial; 1 x Parallel; 1 x VGA; 1 x PS/2 Keyboard + 1 x PS/2 Mouse; 1 x 8-Channel Audio I/O; 1 x RJ45; 4 x USB
<i>Internal I/O Connectors</i>	2 x USB connector supports additional 4 USB ports; 24-pin ATX Power connector; 4-pin ATX 12V Power connector; CD audio in Front panel audio connector; Chassis Intrusion; CPU FAN, Chassis FAN, Power FAN connectors; S/PDIF out connector
<i>Expansion Slots</i>	1 x PCI-E x 16, 1 x PCI-E x 1, 2 x PCI